

#### CIA-RDP86-00513R001550620016-5 "APPROVED FOR RELEASE: 08/23/2000

BULGARIA/Physical Chemistry - Solutions. Theory of Acids and Bases. B.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 28021

: Simova, P.D. and Simeonov, S.D. Author

: Bulgarian Academy of Sciences. Inst

: Investigation of the Dissolution Process and of the Title

Structure of Solutions by Ligh-Scattering Effects.

: Izvest Bulgar Akad Nauk, Otdel fiz-metem i tekhn nauki, Orig Pub

Ser fiz, 6, 423-433 (1957) (in Bulgarian with summaries

in German and Russian)

Abstract : In continuation of previous work (P.D. Simova, Izvest

Bulgar Akad Nauk, Ser fiz, 3, 3 (1952) aqueous solutions of formic acid have been investigated by the light-scattering (LS) method and by the depolarization of scattered light. Curves are given showing the change in intensity of the scattered light as a function of the time elapsed

Card 1/2

14

SIMEDHOV, Standa

Some questions on the durability of paved-road surfaces in Bulgaria.

p. 18 (STROITELSTVO) Vol. 4, no. 7, 1957, Sofiia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3, March 1958

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o atomy first of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959.		

BULGARIA / Chamical Technology, Chemical Products and H Their Applications, Binding Substances, Concrete and Other Silicate Building Materials.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12676.

Author : Simeonov, Stancho.
Inst : Not given:

Title : Use of Local Materials as Additives in Asphalt

Concrete Road Covers.

Orig Pub: Komun. stopanstvo, 1958, No 1, 25-30.

Abstract: Asphalt concrete covers on a base of sand showed satisfactory results. The best proved to be a composition of 85% sand, 15% crushed stone and 9.6 parts bitumen per 100 parts of mineral. -- Ye.

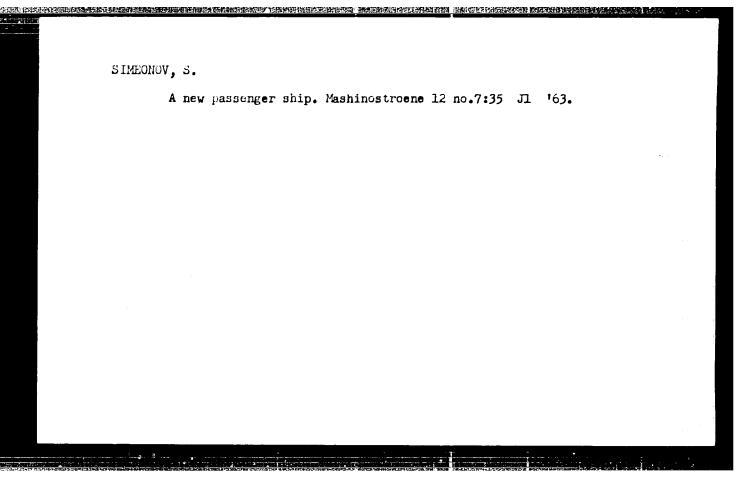
Stefanovskiy.

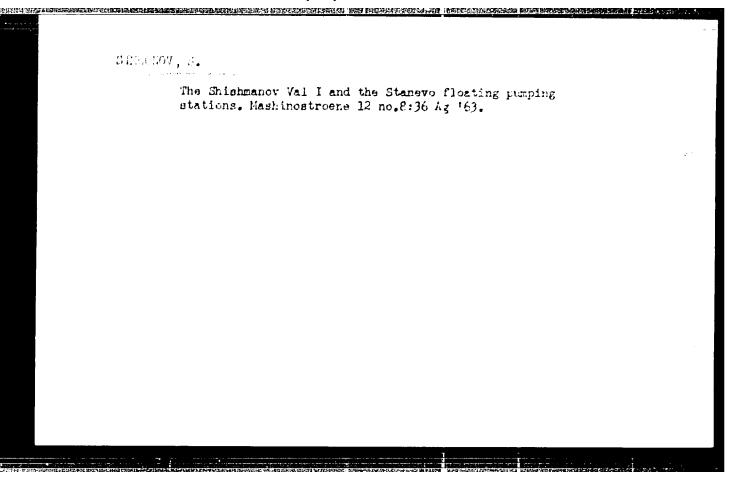
Card 1/1

SOMLEV, P., inzh.; WILEV, A.; TERZIISKI, Iv.; SIMEONOV, St.; POPOV, D.

Discontinuation and redistribution of the obsolete lathes
S5A and S8. Mashinostroene 11 no.5:3-5 My 162.

1. Postoianen komsultant, "Mashimostroene" (for Somlev).





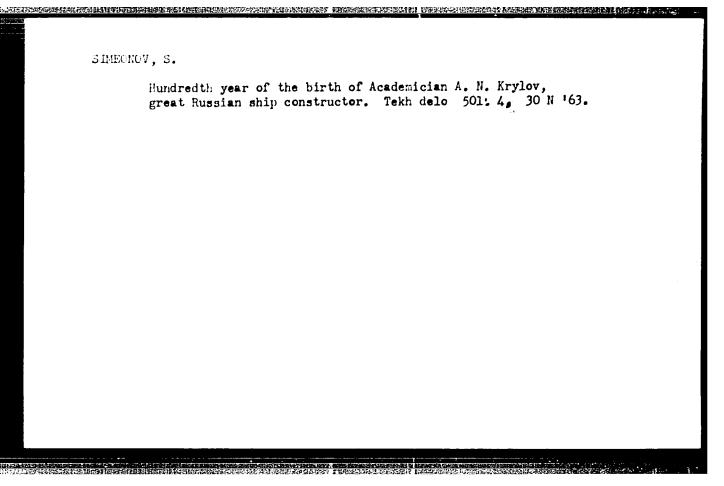
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On the clinicate entree logic picture of acquired tomoplasmosis.

Pauch, tr. visch, med. inst. Sofila 43 no.3:45.51 164.

1. Could distribute the stronger (Director: port. A. Mirelees); toole of Propriection Methodom (Director: prof. In. Viscor) both a tested facilitate, Sofia.
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SIMEONOV, Simeon, dots

A process of successive approximations, and its application in solving functional equations with nonlinear eperators of a monotonic type. Godisznik Inzh stroit inst 14 no.1: 9-21 '62. [pmbl. '63]



Justice, Jimen A.

On some clinical problems in toxoplasmosis in Bulgaria.

Med. gals. 19 no.8/9:189-190 Ag-3 165.

1. Interna propendenticka klinika u Sofiji, Visoki medicinski institut (upravnik: prof. dr. Iv. Jenkov).

SIMEONOV, Simeon D.

Flight of the vertebrate animals. Prir i znanie 12 no.7:4-7 S '59.

(EKAI 9:10)

(Flight) (Vertebrates)

Bombycilla. Prir i znanie 12 no.10:14-15 D *59. (Bombycilla garrulus)	(EEAI 9:10)

ZAKHARIEV,K.; SIMEONOV,S.

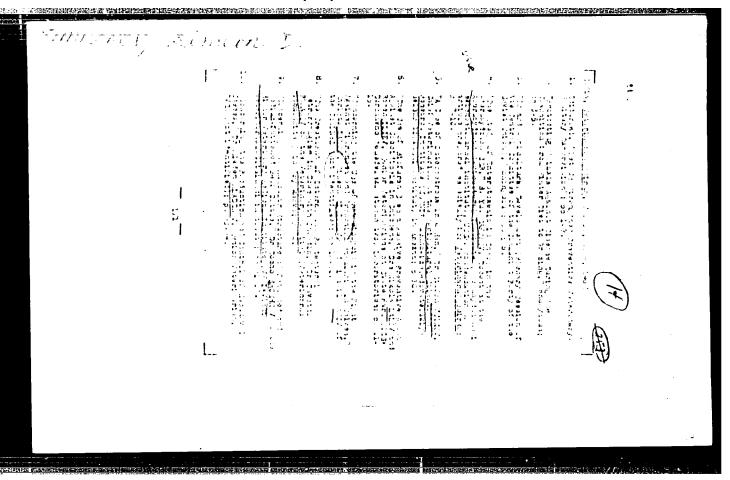
An unusual case of ornithosis. Suvrem. med., Sofiall no.2-3:174-178 '60.

1. Iz Terapevtichvoto otdelenie na III gr. ob. b-na, Sofia. (ORNITHOSIS case reports)

SIMEONOV, Simeon D.

Along the valley of the Amazon River. Prir i znanie 13 no.6:12-14
Je '60.

(Brazil--Rivers) (Amazon River)



SIMEGICM, Simeon D. [Simeonov, Simeon D.]

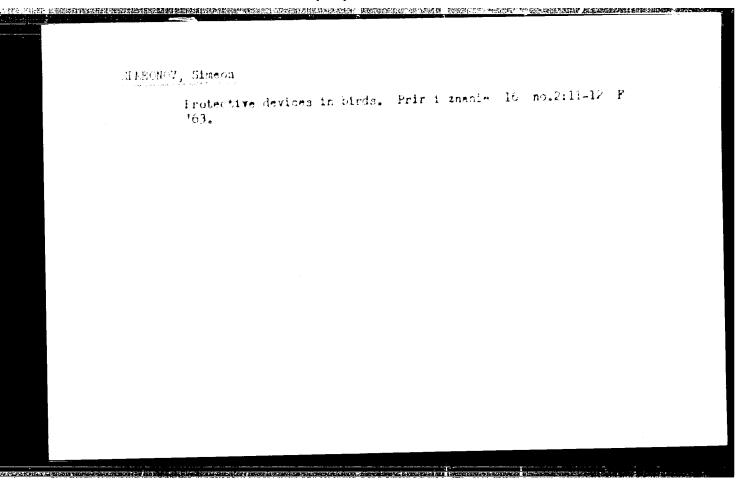
Food of wood owls (Strix aluco L.) in Lozenska Planina.
Izdanija Prirnauc muzeja Skopje 9 no. 3:35-50 '63.

1. Zoological Institute of the State University, Sofia.

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SIMEONOV, S. D.; BAULIGART, V.

Methods of studying the food of diurnal rapacious birds and owls. Priroda Bulg 12 no. 5: 95-98 S-0 '63.



SIMEONOY, S.

Materials on the food of the long-exced owl in some parts of Eulgaria (Asio otus 1.). Godishnik biol 57 no.1:107-116 '62-'63 [publ. '64].

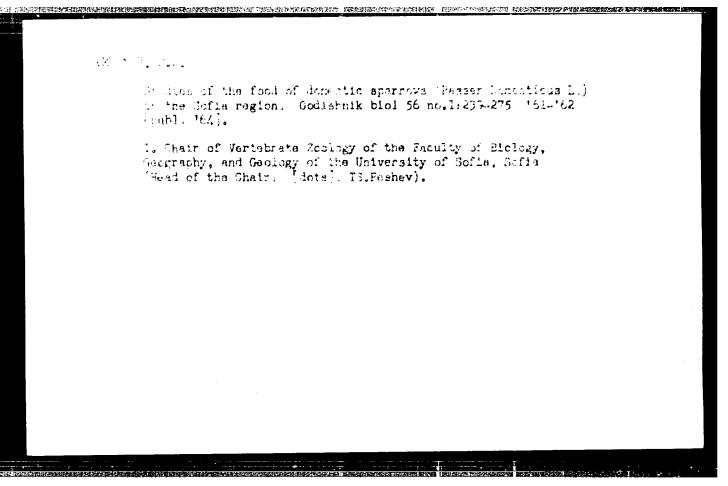
A new habitat of Oricetulus migratorius Fall. in Bulgaria. 1bid.:117-120

i. Chair of Vertebrate Zoology of the Faculty of Biology, Chagraphy, and Geology of the University of Sofia, Sofia (Head of the Chair: [dots, Peshev, TS.).

中学经验根据的根据中心中国和西部的主义,但这种事实是和自然的现在分词,但是不可以使用的自然,但是否是这些主义的不是的复数。但是这个一个一个人的一个一个人的,他们

Perfectives spaces in the environs of the village of Farash, Pratra District - Todishnik biol 57 no.1:81-01 '62-'67 [publ. '4.]

C. Chair of Vertebrate Zoclogy of the Faculty of Biology, Geography, and Geology of the University of Sofia, Sofia (Geod of the Chair, (dots.) Peshev, Ts.).



。这是你的经验的这种特殊<mark>的自己的是任何的共和的的共和的企业的</mark>自己的共和的企业的,但是是是不是一种的企业的,但是是是一种的企业的企业。这一点

IJP(c) L 37022-66 BU/0012/65/008/003/0230/0231 SOURCE CODE: AP6027070 ACC NRI 47 AUTHOR: Simeonov, S. В ORG: none 21 TITLE: First Bulgarian National Conference on Spectroscopy SOURCE: Fiziko-matematichesko spisanie, v. 8, no. 3, 1965, 230-231 TOPIC TAGS: physics laboratory, physics laboratory instrument, electron paramagnetic resonance, physics conference, atomic spectroscopy, molecular spectroscopy, IR spectroscopy, UV spectroscopy, spectrum analysis, magnetic resonance ABSTRACT: The First Bulgarian National Conference on Spectroscopy was held on 14, 15, and 16 June 1965 in Ploydiv under the auspices of the Commission on Spectroscopy of the Bulgarian Academy of Sciences, the Committee for Science and Technological Progress, the Institute for Nonferrous Metalurgy, and the Kombinat for Nonferrous Metals in Plovdiv. The meeting was attended by 78 participants, and 40 contributed papers covered problems of atomic and molecular spectral analysis, the infrared and ultraviolet spectroscopy, magnetic and electronic paramagnetic resonance, the design of spectroscopic devices, and the organization and economical operation of modern industrial spectroscopic laboratories. The next national conference will be held in September of 1966 in the town of Ruse, while the third conference will extend invitations to foreign scientists as well. The proceedings of the Conference will be published as a separate publication. [JPRS: 36,465] SUB CODE: 20 / SUBM DATE: none **Card** 1/1

ACC NRi AP6029580

SOURCE CODE: YU/0015/65/000/08-/0189/0190

AUTHOR: Simeonov, Simeon Asenov (Doctor)

2 5B

ORG: Internal Propaedeutics Clinic, Medical College/headed by Professor, Doctor

Iv. Jonkov/, Sofia

TITIE: Some clinical aspects of toxoplasmosis in Bulgaria

SOURCE: Medicineki glasnik, no. 8-9, 1965, 189-190

TOPIC TAGS: clinical medicine, diagnostic medicine, parasitology, internal medicine

ABSTRACT: Data on 24 patients aged 19 to 81, seen 1962-1964: course, symptoms and diagnostic findings; serologic data esp. complement-fixation test results; skin allergy test results. Conclusion that visceral toxoplasmosis is present in Bulgaria. [JPRS: 36,599]

SUB CODE: 06 / SUBM DATE: none / SOV REF: 007 / OTH REF: 014

Card 1/1

ACC NR: AT6012412

SOURCE CODE: UR/0000/65/000/000/0329/0333

1

AUTHORS: Nikonorova, A. I.; Simeonov, S. L.; Karabasova, L. V.; Dubovaya, G. V.; Soboleva, N. P.

ORG: none

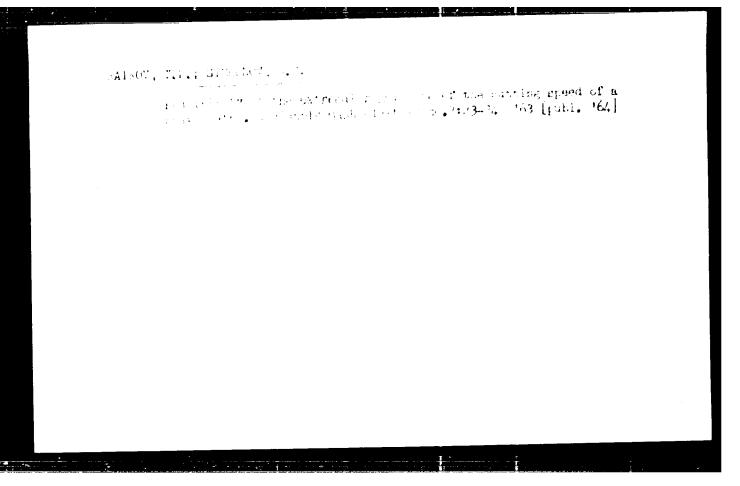
TITLE: Coefficient of linear expansion of industrial titanium

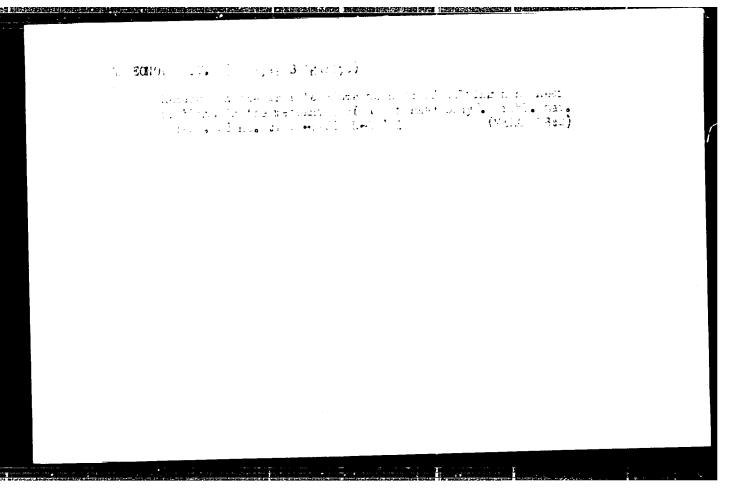
SOURCE: Soveshchaniye po metallokhimii, metallovedeniyu i primeneniyu titana i yego splavov, 6th. Novyye issledovaniya titanovykh splavov (New research on titanium alloys); trudy soveshchaniya, Moscow, Izd-vo Nauka, 1965, 329-333

TOPIC TAGS: expansion coefficient, titanium alloy, metal property / VT1-1 titanium alloy

ABSTRACT: To determine the cause of the large scatter ( $\triangle$  =  $\pm$  1.85) of the coefficient of linear expansion of titanium alloys, the expansion coefficient and texture of the corresponding metal were investigated on VII-1 specimens. The coefficient of linear expansion was measured over the temperature interval of 20-1200 with a dilatometer, while the texture was determined by the x-ray method. The coefficient of linear expansion was significantly affected by the texture, with three types of texture definable with certain values of the expansion coefficient:  $\sqrt{1010}$  small-grained texture corresponded to (9.3-10.3) x 10-0 1/degree; no definable texture corresponded to (8.5--9.2) x 10-0; and  $\sqrt{00017}$  large-grained

140093-66	ية العربين المراد المراد المواريسينين						
ACC NR: AT6012412  (texture corresponded to forging or drawing (40)  intermediate tempering coefficient of linear coefficient of lin	o (7.38.4)  A deformation  At 6000) work  Atpansion of	x 10 <sup>-6</sup> 1/de n for cold wild provide 8.5 <u>+</u> 0.5	egree. It was working, 60- a fairly un x 10-0 1/deg	as found the 80% deform texts original	nat repeated nation with ard with a art. has:	9	
figures and 1 table.  SUB CODE: 11, 13/	SUBM DATE:		ORIG REF:		OTH REF:	003	
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	•						1
Card 2/2 //							





SIMEONOV, S.V.

General theory of the design of ship covers. Trudy LKI no.26: 165-177 '59. (MIRA 14:9)

l. Kafedra stroitel'noy mekhaniki korablya Leningradskogo korablestroitel'nogo instituta.
(Shipbuilding)

s/020/61/138/005/003/025 C111/C222 25304

AUTHOR:

Simeonov, S.V.

TITLE:

A process of consecutive approximations and its use in solving functional equations with non-linear operators of monotone type

PERIODICAL: Akademii nauk SSSR. Doklady, 7.138, no.5, 1961, 1033-1034

The author shows that the functional equation TEXT:

x = Ax.

where A is a non-linear operator of monotone type which transfers a given semiordered Banach space into itself, can be solved by a successive approximation with the aid of the relation (2)

 $x_{i} = x_{i-1} + O((x_{i-1} \cdot Ax_{i-1}))$ 

A is called monotonely ascending (descending) if for two elements  $x_1 < x_2 \le X$  it holds  $Ax_1 < Ax_2$  (resp.  $Ax_1 > Ax_2$ ). The element  $x \in X$  is

called positive if all its components are positive, Theorem 1: Let X -- semiordered Banach space. Ax -- monotone operation transferring X into itself; let exist the first derivative A'x EX in

Card 1/3

A process of consecutive approximations ... S/020/61/138/005/003/025

the sense of Frechet. For ascending operators let besides A'x >I or  $A^{\dagger}x < I_{\circ}$  where I -- identical operator in  $X_{\circ}$  If under these conditions there exists an element  $x^{\ast}$  so that  $Ax^{\ast} = x^{\ast}$  then this element is unique and is bounded by the elements x1.x2 (X for which Ax1-x1 and Ax2-x2

Theorem 2: Let (1) be given in the semiordered space C with a Chebyshev have different signa. metric; let A be an operator of monotone type and let it admit a first derivative according to Frechet; let mI A x MI for every x C which according to theorem 1 is bounded by the elements x1,x2. Then for all

m, M for descending, and for m > 1,  $M \le 1$  for ascending operators there exists a solution x of (1), To it there converge the successive approximations (2) if we put  $\frac{1}{M_{\text{mit}}-1}$ , where  $M_{\text{mit}} = \frac{1}{2}(M+m)$ . The

velocity of convergence can be approximated by the inequality

$$\|x^{n}-x_{n}\| \leq \frac{1}{1-|\xi|} \eta_{0},$$

where  $\gamma_0 \| \| \mathbf{x}_1 - \mathbf{x}_0 \|$ ,  $\xi = \frac{\mathbf{M} - \mathbf{m}}{\mathbf{M} + \mathbf{m} - 2}$ 

Card 2/3

A process of consecutive approximations ... S/020/61/138/005/003/025 0111/0222

Theorem 3: Let (1) be given in the semiordered Hilbert space L2, let A be continuous and monotonely decreasing. Then there exists a solution  $x^{4}$  of (1). To it there converge the successive approximations (2) if we , where K is the Lipschitz constant of A for the elements of the interval which contains  $x^3$ . The velocity of convergence can be estimated by the inequalities

 $x^{\frac{n}{2}} + x_{n} i \notin \frac{p_{n}^{n}}{1 - p_{n}^{n}} \text{ for where } i_{0} \ge \frac{n}{n} x_{1} - x_{0} i = p_{n}^{n} + x_{1} - x_{0}^{n}$ 

There are 3 Soviet-bloc references.

ASSOCIATION: Inzhenerno streitel nyy institut Sofiya, Bolgariya (Institute of Civil Engineers, Sofia, Bulgaria)

PRESENTED: February 1, 1961. by A.N. Kolmogorov, Academician

SUBMITTED: July 11, 1960

Card 3/3

5/020/63/148/003/008/037 B112/B186

1.4500

AUTHOR:

Simeonov, S. V.

TITLE:

On the application of a consecutive approximation process to solving certain types of functional equations

Akademiya nauk SSSR. Doklady, v. 148, no. 3, 1963, 534-537

TEXT: Functional equations Ax=0 are considered whose operator A is given monotonically in a semi-ordered space  $M_{\widetilde{T}}$  and is differentiable according to Frechet in such manner that  $mI(A'(x)/MI(m>0; x \in M_T)$ . is shown that the approximations  $x_{n+1} = x_n - \alpha A x_n$  (0  $\langle \alpha \langle 2/M \rangle$ ) converge towards a uniquely determined solution  $x^{2}$ . This theorem is applied to the approximate solution of contain types of integral  $x^{2}$ . approximate solution of certain types of integral equations and to systems of non-linear equations.

Inzhenerno-stroitel'nyy institut, Sofiya, Bolgariya (Construction Engineering Institute, Sofia, Bulgaria) ASSOCIATION:

Card 1/2

CIA-RDP86-00513R001550620016-5" APPROVED FOR RELEASE: 08/23/2000

SOV/124-58 5-5747D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p118 (USSR)

AUTHOR: Simeones S. V.

TITLE: Calculation of Flexible Plates Stiffened by Elastic Ribs (Raschet

gibkikh plastin, podkreplennykh uprugimi rebrami)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree

of Candidate of Technical Sciences, presented to the Leningr.

korable stroit, in t (Leningrad Institute of Shipbuilding), Leningrad, 1957

ASSOCIATION: Leningr. korablestroit. in-t (Leningrad Institute of Ship-

building) Leningrad

1 Structures--Mathematical analysis

Card 1/1

全主关节,并由此的情况的连续性理解的基础的**的现在,这种是一个**是一个人,但是一个人,他们也不是一个人,他们也不是一个人,他们也不是一个人,他们也不是一个人,他们也不是一个人

Siminatory, S. V. (Sofiya, Bolgariya)

Some method of solution of nonlinear roblems of the me 1.12s of a deformed body. Prikl. mat. i mekh. 28 no.3:418-429 My-Je+64 (Mira 17:7)

SINEONCY, TS.

Effect of the automobile mechanism on the consumption of motor fuel. p. 21.

Vol. L, no. 2, Feb. 1955 TREMNIKA Sofiya, bulgaria

ec: Eastern European Accession Vol. 5 No. 1 April 1956

Sinko ov, Tu.

"Repairing machine parts by metalication."

p. 33 (Tezhka Fromishlenost) Vol. 6, no. 9, Sept. 1957. Sofia, Eulgaria

So: Conthly Index of East European Accessions (E.AI) LC, Vol. 7, no. 5, May 1958

交通,这种理论的,这种主题,这种理论的,但是是一种的理论,是是一个人,是一个人,是一个人,是一个人,是一个人,是一个人,我们们也是一个人,也是这个人,这个人,他

SIMEONOV, Ts., inzh.

Repair of machine parts by metallization. Tekhnika Bulg 3 no.2: 16-20 F '54.

Certain tick-borne diseases in Bulgaria. Suvrem.med., Sofia 6
no.4:27-33 '55.

1. Is Vutreshnata klinika pri Visehiia med. institut I.P.PavlovPlovdiv (sav.: prof. M. Rashev)

(TICKS,
tick-borne dis. in Bulgaria)

RASHEV, M. prof.: SIMEONOV, Tav.

Marseilles fever with severe reno-hepatic complications. Suvrem. med., Sofia 6 no.4:85-89 '55.

1. Iz Vutreshnata klinika pri Visshiia meditsinski institut I.P. Pavlov. Plovdiv (zav.: prof. M. Pashev)

(ROCKY MOUNTAIN SPOTTED FEVER, pathology kidneys & liver)

(KIDNEYS, in various diseases, Rocky Mountain spotted fever)

(LIVER, in various diseases, Rocky Mountain motted fever)

RASHEV, M. professor; SIMEONOV, Ts.; TASHEV, T.

Traumatic heart block with neurogenic pathogenesis. Suvrem. med. Sofia no.6:89-93 '55.

Iz fakultetskata vutreshna klinika (dir.: prof. M. Rashev)
 Nervno-psikhiatrichnata klinika (dir.: prof. K. Cholakov)
 pri Visshiia meditsinski institut I.P.Pavlov, Plovdiv.
 (HEART BLOCK, etiology and pathogenesis,
 traum, neurogenic pathogen.)

经营营的证据中国的国际的国际的对象,但是国际的国际的国际的国际的国际的,然后,并不是自己的国际的国际的,但是这个公司的,但是这种国际的政策的对象,但是这种政策的

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RASHEV, M. prof. SIMEONOV, Tsv.

Infantilism following cranial injuries. Suvrem.med., Sofia no.6: 100-104 '55.

1. Iz Vutreshnata klinika pri Visshiia meditsinski institut I.P. Pavlov, Plovdiv (zav.: Prof. M. Rashev).

(HEAD, wounds and injuries, post-traum.infantilism)

(INFANTILISM, etiology and pathogenesis, head inj.

(WOUNDS AND INJURIES, head, post-traum.infantilism)
```

Percutaneous acute poisoning with nicotinic sulfate. Suvrem.med., Sofia 6 no.9:99-102 1955.

1. Is Fakultetskata vutreshna klinika pri Visshiia meditsinski institut I.P.Pavlov-Plovdiv (sav. katedrata: prof. M.Rashev)

(NICOTINIC,
sulfate, pois. (Bul))

(POISOWING,
nicotine sulfate (Bul))

#### SIMEONOV, Ts.

Hepatonephritis with boutonneuse fever followed by death. In French with Russian summary. p. 65.

DOKLADY, Vol. 8, No. 2, Apr./June 1955, Sofiya, Bulgaria.

SO: East European Accessions List, Lib. of Cong., Vol. 5, No. 10, Oct. 1956.

RASHEV, Mikhail; SIMEONOV, Taviatko

Relation between multiple myeloma (Rusticki-Keller disease) & metastatic bone marrow cancer based on 2 personal case reports. Izv. Mikrob. inst., Sofia no.8:131-142 1957.

1. Katedra po fakultetska butreshna klinika (zav.: prof. M. Rashev)
pri visshiia meditsinski institut, I. P. Pavlov v plovdiv.

(MYELOMA, PIASMA CELL, differ. diag.
bone marrow cancer metastases (Bul))

(BOHE MARROW, neoplasms
metastic, differentiation from plasma cell myeloma (Bul))

SIMEONOV, TSV.

On the problem of the so-called "eosinophilic" pleurisy. Suvrem. med., Sofia no.9/10:180-185 '59.

1. Iz Katedrata po fakultetska terapiia pri VMI "I.P. Pavlov" - Plovdiv. Zav.katedrata: prof. B. Iurukov.

(LOKFFLER'S SYNDROME)

# "Reconciliatory Action." p. 3, (ZDMAVEN FRONT, No. ...b, Nov. 1954, Sofiya, Bulgaria) SO: Monthly List of East European Accessions, (ELAL), LC, Vol. 4 No. 5, kay 1955, Uncl.

STERN INCHARACTURAN DESIGNATION OF THE PROPERTY OF THE PROPERT

POPOVA-KIPROVA, Tav.; SI'MONOVA, Iv.

Certain deviations from the classical course in aphthous stomatitis. Suvrem.med., Sofia 6 no.5:58-66 1955.

1. Iz Nauchno-izsledovatelskiia institut po pediatriia (direktor dots. As.Fikov)
(STOMATITIS, APHTHOUS, atypical course)

SOV/129-59-1-5/17

Lozinskiy, M.G., Doctor of Technical Sciences and AUTHORS:

Simeonova, I.S., Engineer

Certain Relations Governing the Deformation of Technical TITLE:

Iron During Cyclic Temperature Fluctuations (Nekotoryye zakonomernosti deformatsii tekhnicheskogo zheleza pri

tsiklicheskikh kolebaniyakh temperatury)

Metallovedeniye i Termicheskaya Obratotka Metallov, PERIODICAL:

1959, Nr 1, pp 15 - 19 + 4 plates (USSR)

Investigations by the authors of the relations governing ABSTRACT:

the deformation of commercial iron (0.03% C) under tension and presence of a temperature gradient in the lengitudinal direction of the specimen revealed that a "super-high plasticity takes place" which is characterised by the formation of two necks on the specimen and by the obsurrence of a rapid sliding deformation. Prior to the experiments, the specimens were annealed for two hours at 1 000 °C in vacuum. During the experiments, the opecimens were heated by passing through them a lowveltage AC, so that a temperature gradient was produced in these specimens with a peak temperature at the centre.

The temperature distribution in the specimen is graphed

in Figure 1 for peak heating temperatures of 800 and Card1/4

SOV/129-59-1-5/17

Certain Relations Governing the Deformation of Technical Iron During Cyclic Temperature Fluctuations

1000 °C, respectively; in each specimen, a range of temperatures was generated, varying from about 400 °C at the edges and 1 000 °C in the centre. The characteristic of the cyclic change of the specimen temperature is graphed in Figure 2; each cycle was of 60 sec duration and consisted of heating to 800 °C and holding it for 2 sec at that temperature, then heating it to 1 000 °C and again holding it for 2 sec at that temperature, followed by cooling to 800 °C. In Figure 4 (plate), 8 microphotographs are reproduced of the surface of the central zone of the iron during the tensile tests and during isothermal holding at 1 000 °C. In Figure 5, 10 microphotographs are reproduced of the surface of the central zone of the specimen during tensile tests (0 = 0.33 kg/mm²) and cyclic temperature fluctuations of 800 °C. In Figure 6, microphotographs are

800 Th 000 C. In Figure 6, microphotographs are reproduced of the surface of the neck zone during cyclic temperature fluctuations. In Figure 8, photographs are reproduced of the specimens prior to the tests and after various test cycles. The deformation of the central

Card2/4

SOV/129-59-1-5/17 Certain Relations Governing the Deformation of Technical Iron During Cyclic Temperature Fluctuations

> sone of the neck during tensile stresses and cyclic temperature fluctuations between 800 and 1 000 °C in the central zone are graphed in Figure 7. In Figure 9, the dependence of the change in the distance between of the neck and the edge on the maximum the centre temperature in the centre during cyclic tests. The following conclusions are arrived at: 1) under certain conditions of cyclic heating and cooling, a sharp decrease in the resistance to deformation in tensile loading is observed which leads to the formation of two necks; the two necks are located in zones with the temperatures 720 = 850 C; 2) appearance of failure fooi in sections with a temperature lower than in the middle part of the specimen is attributed to the influence of non-uniform distribution of carbon inside the grain and also to the carbon concentration outside the boundaries of the grains and the blocks. In the case of local heating and cooling of individual zones in the specimen up to the temperatures of polymorphous aty transformation, the proceeding reconstruction of the

Card3/4

SOV/129-59-1-5/17

Certain Relations Governing the Deformation of Technical Iron During Cyclic Temperature Fluctuations

crystal lattice disturbs the coherent bonds of the atoms and this will result in a sharp drop in the resistance to deformation only in those parts of the grain which are enriched with carbon; 3) if the holding time at the limit temperature values is increased, this detected phenomenon is no longer observed. There are 9 figures and 6 references, 4 of which are Soviet, 1 Czech and 1 German.

ASSOCIATION: Institut mashinovedeniya AN SSSR (Institute of Machanical Engineering of the Ac.Sc.USSR)

Card 4/4

18.8200

SOV/180-59-6-5/31

Lozinskiy, M.G., Simeonova, I.S., and Federovskiy, AUTHORS:

(Moscow)

On the Behaviour of Pure and Commercial-Grade Iron) TITLE:

during Deformation under the Conditions of Cyclic

Temperature Fluctuations

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdelaniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 6, pp 21;-36 (USSR)

ABSTRACT: The object of the present investigation, carried out at Ac.Sc. USSR, was the Institute of the Science of Machines. to study the effect of cyclic temperature fluctuations on the kinetics of the deformation of commercial-grade iron (containing 0.03% C) and high purity material (containing 0.002% C) stressed in tension, with the view of determining the effect of small alloying additions on the character of the deformation of specimens under these conditions. The experiments were conducted in vacuum, the tensile test pieces being heated by low voltage, high current resistance heating. The shape of the test pieces of square cross-section area (3 x 3 mm), with one of the

sides polished for metallographic examination, is illustrated in Fig la, showing the flexible bars (details

2 and 3) supplying the power, terminal screws

1/9

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5/829 SOV/180-59-6-5/31

On the Behavlour of Pure and Commercial-Grade Iron during Deformation under the Conditions of Cyclic Temperature Fluctuations

(details 4 and 5), and the swivel-type grips (details 6 and 7). Since a larger quantity of heat was conducted away from the ends of the test pieces, and since their cross-section area was larger than that of the gauge length, a temperature gradient was set up in the test pieces; this temperature gradient, in specimens with the maximum temperature of 800 and 1000 °C, is illustrated in Fig 16, where the temperature (°C, horizontal axis) is plotted against the distance (mm) from the centre of the test piece. The temperature of the centre of the specimen was made to fluctuate between 800 and 1000 oc. The circuit diagram of the automatic temperature controller and automatic recorder of the number of the cyclic temperature changes is shown in Figs 2 and 3; Fig 2 also shows the arrangement of the test piece in the vacuum chamber, and a metallurgical microscope, mounted in the lid of the vacuum chamber, and used to study the structural changes taking place in the test pieces during the experiments. The first significant fact observed was that "necking" of the commercial-grade iron

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On the Behaviour of Pure and Commercial-Grade Iron during Deformation under the Conditions of Cyclic Temperature Fluctuations

specimens occurred not in the centre of the test piece, but at two points situated symmetrically on both sides of the "hot zone" (about 10 mm from the centre), where the temperature fluctuated between 750 and 850 oc. necks were formed when the time at the lower and higher temperatures did not exceed 60 sec; when the test piece was held at the temperature for longer periods, only one neck in the centre of the specimen of the test piece was formed). This, apparently anomalous, effect was attributed to several factors. While the overall carbon content of the investigated material was 0.03%, the local carbon concentration, particularly at the grain and block boundaries, could be considerably higher. Bearing in mind that the temperature of the  $a \rightarrow \gamma$  transformation changes from 910 to 721 °C when the carbon content varies from 0 to 0.83%, it will be seen that the C-rich, grain-boundary regions in the central part of the tensile test piece whose temperature fluctuated between 800 and 1000°C remained in the y-iron range throughout the experiment, while in the interior of the grains (blocks), each

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On the Behaviour of Pure and Commercial-Grade Iron during Deformation under the Conditions of Cyclic Temperature Fluctuations

temperature fluctuation was accompanied by the  $a \rightarrow Y$ (heating) or  $\gamma \rightarrow \alpha$  (cooling) transformation. The situation in the parts of the specimens, where the temperature fluctuated between 750 and 850 oc, was quite different; here, the interior of the grains retained their a-iron structure throughout the experiment, while the grain-boundary regions were undergoing the a -> Y and  $\gamma \rightarrow a$  transformations. The strength of the  $\gamma$ -phase is considerably higher than that of the  $\alpha$ -phase, and this fact accounts for the high resistance to deformation of the central (hot) part of the test pieces where the grain boundaries retained their  $\gamma$ -phase structure throughout the duration of each test.
Regarding the regions of "critical" temperatures, where necking occurred, it should be remembered that the mechanical properties of iron are adversely affected by the Y = a transformation, which is accompanied by a partial loss of the coherent bond between the atoms and by volumetric changes which set up internal stresses in the microvolumes of the material undergoing the

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On the Behaviour of Pure and Commercial-Grade Iron during Deformation under the Conditions of Cyclic Temperature Fluctuations

transformation; it was for this reason that applied stresses as low as 0.33-0.55 kg/mm2 were sufficient to cause deformation (necking) in those parts of the test piece in which the carbon-rich grain boundaries were continuously undergoing the  $\alpha \rightleftharpoons \gamma$  transformation. This view was confirmed by the fact that, when specimens of high purity iron were tested under the same condition, one neck only was formed in the centre of the test piece (the table on p 28 gives the chemical analysis of the commercial grade (top line) and high purity (bottom line) experimental materials). The process of deformation of commercial-grade iron, subjected to cyclic temperature fluctuations between 750 and 950 °C (the time taken to heat the test piece from the lower to the upper limit of temperature being 10 sec, and the time at the temperature 2 sec), while under an applied tensile stress of 0.33 kg/mm<sup>2</sup>, is illustrated in Fig 5, where the lower curve shows the variation of the temperature (°C, righthand scale) and the upper curve the variation of elongation ( $\epsilon$ , %, left-hand scale) with time (sec).

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On the Behaviour of Pure and Commercial-Grade Iron during Deformation under the Conditions of Cyclic Temperature Fluctuations

It will be seen that an anomalous increase in the length of the test pieces was observed during cooling through the 800-730 oc temperature range, and that the rate of deformation during heating was highest in the same The structural changes occurring in temperature range. commercial grade iron during the experiments are illustrated by a series of microphotographs (X 204), reproduced in Fig 6, and showing the appearance of the polished surface of the specimen in the region of necking; the temperature of this region fluctuated between 750 and 850 °C, the duration of the heating and cooling cycles being 20 and 12 sec, respectively, and the time at the temperature, 2 sec; the test piece was under a tensile stress of 0.55 kg/mm<sup>2</sup>. Fig 6a shows the surface of the test piece before the test; the direction of the applied stress is shown by arrows; the impressions, made by the diamond pyramid used in microhardness tests, assisted in assessing the magnitude and character of the localized deformation taking place during the experiments. Fig 66 shows the surface of the

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On the Behaviour of Pure and Commercial-Grade Iron during Deformation under the Conditions of Cyclic Temperature Fluctuations

test piece after 5 min at 1000 °C; faint outlines of the grain boundaries of the a-phase are visible. Figs 66 -We show the surface of the test piece after 5, 10, 20 and 50 heating/cooling cycles, respectively, and attention is drawn to the formation of cracks in the regions indicated The course of deformation by arrows in Figs 62 and e. of high purity iron, tested under the same conditions as the commercial grade material (except for the stress which, in this case was 0.05 kg/mm<sup>2</sup>), is illustrated by the microphotographs reproduced in Fig 7, which show the surface of the central (necking) part of the test piece, the temperature of which fluctuated between 800 and 1000 °C. Fig 7a shows the surface of the test piece before the experiments; the appearance of the same surface area, after 5 min at 1000 oc, and after 5, 10, 20 and 50 heating/cooling cycles is illustrated by the subsequent micrographs: the increasing degree of fragmentation of the grains with increasing number of the temperature fluctuations should be noted. The difference in the behaviour of the investigated materials is also

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On the Behaviour of Pure and Commercial-Grade Iron during Deformation under the Conditions of Cyclic Temperature Fluctuations

illustrated by the graph reproduced in Fig 8, where the elongation of the test piece (E. %) is plotted against the number, n, of the temperature fluctuations for the commercial grade iron extended under 0.55 kg/mm2 (curve 1) and high purity iron extended under 0.05 kg/mm2 (curve 2). It will be seen that after 50 cycles, the total elongation of the high purity and commercial grade iron was 13 and 38%, respectively, although the stress applied in the latter wase was eleven times higher than that in the former. Another interesting fact observed by the present authors was the formation and growth of conically shaped protrusions on the surface of high purity iron in the central (hottest) part of the test pieces. The appearance of the commercial grade and high purity iron test pieces after 150 temperature fluctuations (800-1000 °C) is shown in Figs 9a and 96, respectively (the arrows showing the necking zones); the necking zone of the test piece shown in Fig 96 is shown at a higher magnification (X 7) in Fig 96. The conical protrusions formed on the high purity iron after

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On the Behaviour of Pure and Commercial-Grade Iron during Deformation under the Conditions of Cyclic Temperature Fluctuations

> 200 temperature fluctuations are shown in Fig 10a (X 22); microphotographs (X 100 and X 200) of the conical protrusion, marked A in Fig 10, are reproduced in Figs 105 and G, respectively, and show clearly the polycrystalline character of these growths whose formation had also been observed by Cizron and Lacombe (Ref 10), although these workers considered them to be polygonized single crystals. The experimental results reported in the present paper prove that small alloying additions markedly improve the strength of iron strained under the conditions of cyclic temperature variations. They show, also, that an increase in the alloying additions content lowers considerably the temperature of the minimum strength.

Card 9/9

There are 10 figures, 1 table and 10 references, of which 4 are Soviet, 4 English, 1 French and 1 Czechoslovak.

SUBMITTED: July 17, 1959

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## SIMEONOVA, Natal'ya, K.

Effect of transverse acceleration on the course of some pathological processes. Acta physiol. acad. sci. Hung. 26 no.4: 351-360 165

l. Kafedra patologicheskoy fiziologii, Kievskogo meditsinskogo instituta Kiev, U.S.S.R.

SIMBOMOVA, Zakharina

Dell'ann (Lie Chant); Civer Manco

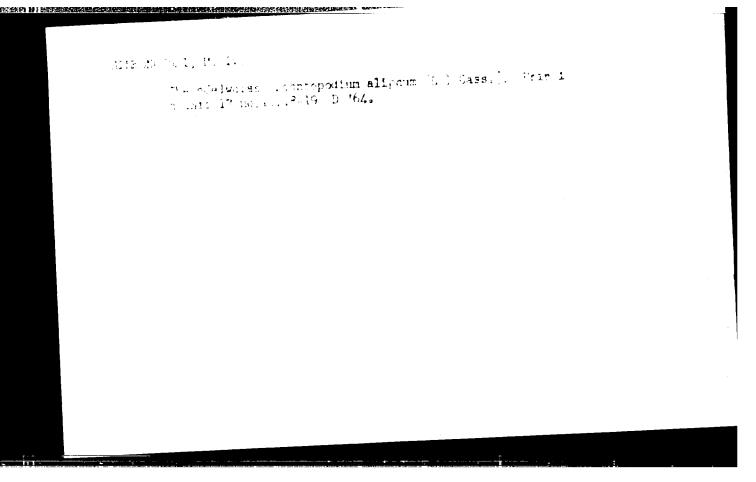
Commercy: Bulgaria

Anthonic Degrees: not indicated

Approximation: not indicated

Sories: Sofia, Biologiya i Khimiya, No 1, 1961, pp 27-30

Data: "Methodical Notes on the 7th Class (7th Grade ) Subject "Halogen Group"



#### "APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550620016-5

L 26379-65 EWG(j)/EWT(m) ACCESSION NR: AT4049962

2/2511/61/000/001/0385/0391

AUTHOR: Simerda, J. (Shimerda, I.); Hekrdle, J. (Ekrdle, Ya.)

TITIE: Rapid and accurate determination of safe working conditions when working with radioisotopes emitting gamma radiation

SOURCE: Prague. Ceske vysoke uceni technicke. Prace. Ser. 6, no. 1, pt. 2, 1961, 385-391

TOPIC TAGS: radiation protection, radiation dosimetry, gamma radiation, radioisotope, slide rule

ABSTRACT: The article describes a method which makes it possible to considerably shorten the time required for making all the calculations required for determining the permissible working conditions for personnel working with radioisotopes. The method is quick and reliable and sufficiently accurate in most cases. In the discussion the authors limit themselves to gamma radiation. The calculations were made with the aid of a specially constructed slide rule. Practical experience acquired in using the slide rule at the Ustav Jaderneho vyzkumu CSAV (Institute of Nuclear Research Czechoslovak AS) has shown that such calculation is considerably more rapid and sufficiently accurate, and that it is possible to solve all cases

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ACCESSION NR: AT4049962

encountered in practice. The possibility of error, principally in the determination of the series, is minimal, and inaccuracy in calculation is caused only by inaccuracy in setting and reading off the values. Detailed instructions for using the slide rule are given, along with some practical examples of calculation. Orig. art. has: 2 figures and 11 formulas.

ASSOCIATION: Ustav jaderneho vyzkumu CSAV (Institute of Nuclear Research, Czechoslovak AS)

SUBMITTED: 00

ENCL: 00

SUB CODE: NP, GO

NO REF SOV: 002

OTHER: 002

Card 2/2

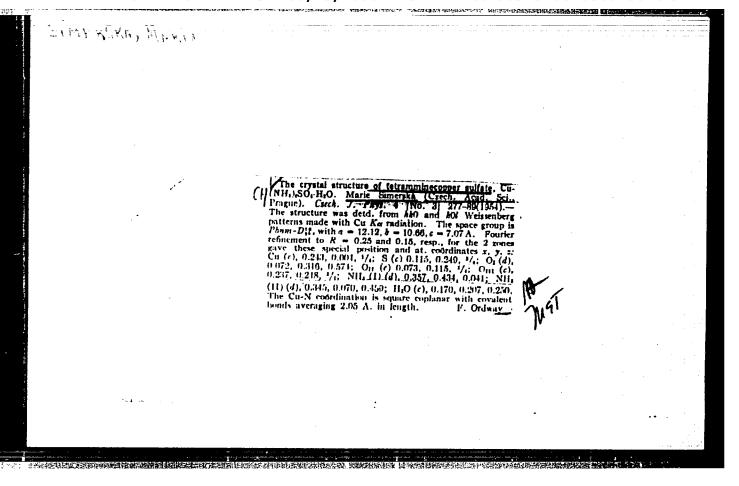
SIMERHITSKIY, B.P. (Moskva)

Vascular neoplasms of the spinal cord. Vop. neirokhir. 26 no.5:20-22 S-0:62 (MIRA 17:4)

1. Nauchno-iseledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni akademika N.N. Burdenko AMN SSSR.

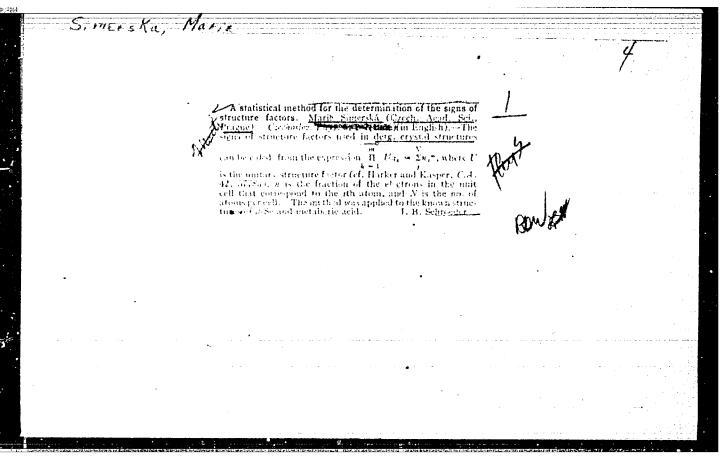
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"Grysta" of Tetramaine Copper oulfate CC(EH <sub>2</sub> ), Journal P. 250, (Japanese Value) of Pao FYolan, Vol. 4, No. 3, June 1956, Praha, Czechosl Sc: Fonthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, Nay 1955, Uncl.
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Vol. 5, no. 2, Mar. 1955
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So: East Eurogean Accessions, Vol. 5, no. 5, May 1956
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CZECHCSLCVAKIA/Solid State Physics - Structural Crystallography E-4

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 15535

Author : Teman Karel, Simerska Marie

Inst : Not Given

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Title : Defocusing of the Schulz Diffractometer.

Orig Pub: Ceskosl. casop. fys., 1957, 7, No 3, 255-260

Abstract : See Abstract 15534

Card : 1/1

CZECHOSLOV/KI./Solid State Physics - Structural Crystallography E-4

Abs Jour: Ref Zhur - Fizika, No 7, 1958, No 15534

Author : Toman Karel, Simerska Marie

Inst : Institute of Technical Physics, Czechoslovak Academy of

Sciences, Prague

Title : Defocusing of the Schulz Diffractometer.

Orig Pub: Chekhosl. fiz. zh., 1957, 7, No 3, 351-358

Abstract : For a quantitative determination of the texture, one constructs the polar figures in the function  $P_{hkl}(7,5)$  sin  $\mathcal{T}$  d f d, , which determines the probability of the fact that the normal to the plane (hk/) in a polycrystalline specimen passes through an element of surface sin / d q d , on the projection sphere. When the specimen is inclined at different angles / , in the Schulz diffractometer method (Schulz L.G., Journal of Applied Physies, 1949, 20, 1030),  $P_{\rm hkl}(\varphi^*,\varphi)$  is not determined by the maximum intensity of the diffraction profile, owing to defocusing. It is necessary to introduce a defocusing factor  $D(\ /\ )$ , which equals for a specimen without

Card : 1/2

CZECHOSLOWIKIA/Solid State Physics - Structural Crystallography 王-4

Abs Jour: Ref Zhur - Fizika, No 7, 1958, No 15534

texture  $\frac{100}{10}$ X/I, max, where I on and I are the minimum intenfor the case y=0 and  $x\neq 0$ . For a specimen with a texture, this expression for D () is incorrect. It is shown that D (j) depends on the form of the basic diffraction profile of  $I_0$ , and consequently on the linear coefficient of absorption. Therefore, for correction purposes, one cannot use the values of D(y), measured for a specimen without texture, made of a powder of the investigated material and a binding substance. An equation is derived for the calculation of the defocusing factor for a specimen with texture, in which account is taken of the form of the basic profile (f  $\neq 0$ ), the distribution of intensity of the primary beam, the height of the primary beam, and the width of the entrance slot of the counter. An experimental verification of the equation is made. The results of the measurements are in good agreement with the calculated data.

Card : 2/2

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CZUCHOSLOVAKEN/Solid State Physics - Medianical Properties

E-10

Wes Jour : Ref Zhur - Fizika, No 5, 1959, No 10636

Author : Toman Karel, Simerska Marie

Inst

Title:

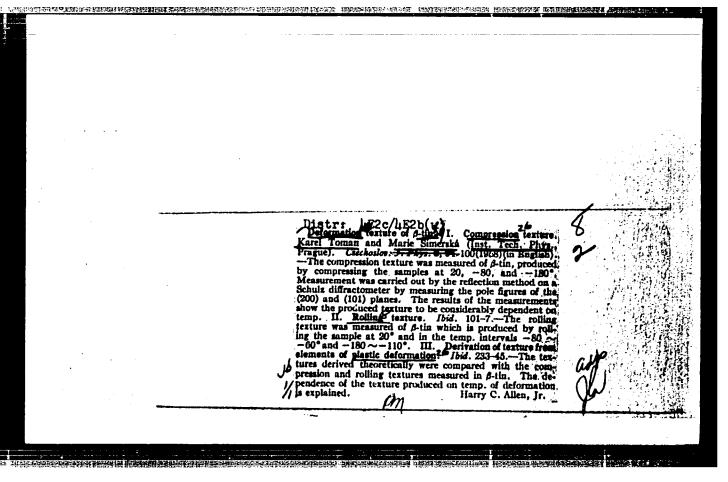
: "exture of Deformation of Tin. I. Texture of Compression

Orig Pub : Ceskosl. casop. fys., 1957, 7, No 6, 723-726

Abstract : No abstract

: 1/1 Card

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C MUNICIPALITY/Solid State Physics - Mechanical Properties E-10

..bs Jour : Ref Zhur - Fizika, No 2, 1959, No 3363

Author : Town Karel, Simerska Marie

Inst : -

Tible : The Reformation Texture of \$\beta\$ Tim. II. Rothing Texture

Orig Pub: Chekhosl. fiz. zh., 1958, 8, No 1, 101-107

Abstract : No abstract

Card : 1/1

36

CZECHOSLOVAKIA/Solid State Physics - Mechanical Properties.

E.

Abs Jour

: Ref Zhur - Fizika, No 7, 1959, 15488

Author

: Toman, Karel; Simerska, Marie

Inst

: Institute for Technical Physics, Academy of Sciences,

Prague Czechoslovakia

Title

: The Deformation Texture of Beta Tin. II. Texture Formed

During Rolling

Orig Pub

: Ceskosi. casop. fys., 1958, 8, No 2, 138-193

Abstract

: The rolling texture was measured in specimens of beta tin, subjected to rolling at three different temperatures. The measurements were carried out at reduced temperature, so as to exclude the possibility of recrystallization. The surface texture of the specimen was measured, and after etabing also the internal etching (at reduced tempera-

ture). The polar figures of the (200) and (101) phanes

Card 1/2

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CZECHOSLOVAKIA/Solid State Physics - Mechanical Properties.

E.

Abs Jour : Ref Thur - Fizika, No 7, 1959, 15488

were measured.

For Part I see Ref Zhur Fizika, 1959, No 5, 10696.

Card 2/2

CZECHOGLOWAKIA/Solid State Physics - Mechanical Properties.

E.

Abs Jour

: Ref Thur - Fizika, No 7, 1959, 15439

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Author

: Tomm, Karel, Simerska, Marie

Inst

Title

: The Deformation Texture of Beta Tin. III. Derivation of

Texture Elements of Plastic Teformation

Orig Pub

: Ceskosl. casop. fys., 1958, 8, No 2, 194-205

Abstract

: Reorientation of beta tin in plastic deformation was established for different slip systems. The determination was made for both known groups of the slip systems both in tension and under pressure. It was found that the deformation texture, determined on the basis of the Obinata and Schmid group of slip systems (Obinata, J. Schmid, E., Z. Phys. 1933, 82, 227) is in good agreement with the textures measured at normal temperature. The author also derives the deformation texture arising when the deformation is not only the result of slip, but also of

Card 1/2

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APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620016-5"

CZECHOSLOVAKIA/Solid State Physics - Mechanical Properties.

Ε.

Abs Jour : Ref Zhur - Fizika, No 7, 1959, 15439

twinning. It is found that the texture caused by deformation at low temperature corresponds to this case. It is concluded that the dependence of the deformation structure on the temperature is due to different deformation mechanisms at different temperatures. At normal temperature the deformation is produced mostly by slip, and at lower temperature the roll of twinning deformation increases.

For Part II see Abstract 15488

Card 2/2

CZECHCSLOVAKIA/Solid State Physics - Mechanical Properties.

E.

Abs Jour

: Ref Zhur - Fizika, No 7, 1959, 15490

Author

: Toman, Karel; Simerska, Marie

Inst

Title

: The Deformation Texture of Beta-Tin. III. Derivation of

Texture From Elements of Plastic Deformation

Oris Pub

: Chekhosl. fiz. zh., 1958, 8, No 2, 233-245

Abstract : No abstract.

Card:1/1

- 53 -

CZECH/37-59-1-16/26

AUTHORS: Marie Simerská, Vladimír Syneček

TITLE: A Contribution to the Semi-Fccusing Method with a Plane

Polycrystalline Sample

PERIODICAL: Československý Časopis Pro Fysiku, 1959, Nr 1,

pp 102-104 + 1 plate

ABSTRACT: Fig 1 shows the semi-focusing method with a divergent beam of monochromatic X-rays for the case when the width

of the effective area of the sample is small compared with the radius of the focusing circle and the radius of the camera. In this case only rays passing through points P<sub>1</sub> and P<sub>2</sub> are completely focused. The width of the diffraction lines for other angles for a given total divergence of the primary beam, 20, can be

minimised according to Fig 2 (see also Eqs 1, 2, and 3).

A similar calculation can be used for an oscillating

Sample. The absorption factor is, in this case, given by Eq (6). Fig 4 shows the absorption for various regions

1/2 of oscillations  $\varepsilon$ .

Card

There are 4 figures and 2 English references.

CZECH/37-59-1-16/26

A Contribution to the Semi-Focusing Method with a Plane Polycrystalline Sample

ASSOCIATION: Ústav technické fysiky ČSAV, Praha

Card 2/2

(Institute of Technical Physics, CSAV, Prague)

SUBMITTED:

September 9, 1958

CZECHOSLOVAKIA/Solid State Physics - Structural Crystallography. E

Abs Jour : Ref Zhur Fizika, No 4, 1960, 3659

Author : Simerska Marie, Synecek Vladimir

Title : A Contribution to the Semi-Focusing Method with a Flat

Polycrystalline Sample

Orig Pub : Czechoslo. fiz. zh., 1959, 9, No 3, 395-398

Abstract : See Abstract 8658.

Card 1/1

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620016-5"

L'ARRENTE MOUTE DE L'ORIGINE DE LE MORTE DE L'ARRENTE DE L'ARRENTE DE L'ARRENTE DE L'ARRENTE DE L'ARRENTE DE L

### SIMERSKA, M.

Thermal vibrations of atoms in equilibrium Al-Ag solid solutions. Pts. 1-2. Chekhosl fiz zhurnal 13 no.10:737-753 163.

1. Ustav fyziky pevnych latek, Ceskoslovenska ak**ademie ved**, Praha.

COLYNETS, Yu.F.; PONOMAREVA, L.I.; Prinimali uchastiye: SIMEISKAYA, N.A.;
SIMONENKOVA, N.A.

Estimating the reproducibility of the results of analyses of sulfur-containing substances. Trudy Kom.anal.khim. 13: 137-138 '63. (MIRA 16:5) (Sulfur organic compounds)

SIMETSKIY, O.A., aspirant; MUTOVIN, V.I., doktor veter. nauk, nauchnyy rukovoditel\* raboty

Erythromycin for treating ccws with subclinical mastitis. Veterinariia 42 no.9:78-79 S \*65.

(MIRA 18:11)

1. Vsesoyuznyy nauchne-issledovateliskiy institut veterinarnoy sanitarii.

Diseases Erysipelas of Swine With Red Strey "Simetskiy, Vet Physician, Melitin SSR  Vol XXIX, No 9, p 57  ol streptocide was injected intravine that had erysipelas, at the 4-5 hrs. The trentment is accomplised in the whole treatment is accomplised and of treatment.  225  clapses may occur if the number of siduced. The author cured 27 swine and of treatment.	('et divoiei
Erysipelas of Swine With Red Strepto- "Simetskiy, Vet Physician, Melitopol' n SSR  Vol XXIX, No 9, p 57 ol streptocide was injected intramus- wine that had erysipelas, at the rate 4-5 hrs. The treatment is accomplished The whole treatment is accomplished	this me
Diseases  Erysipelas of Swine With Red Strepto- "Simetskiy, Vet Physician, Melitopol" n SSR  Vol XXIX, No 9, p 57  ol streptocide was injected intramus- wine that had erysipelas, at the rate	of 5 cc every 4-5 5 injections. The
Diseases  Diseases  of Erysipelas of Swine With Red Strepto- ation," Simetskiy, Vet Physician, Melitopol" rainian SSR	"Veterinariya" Vol A 5% soln of sol s cularly into swine
Vecerinary - interctions were	"Treatment of Erysicide Solution," Simulation Simulation SSR
	USSR/Medicine, Veto

SIMETSKIY, O. A. (Veterinary Surgeon, Melitopol' District Veterinary Hospital, Zaporozhsk Oblast')

"Utilization of polymyxin in animal diseases"

Veterinariya, vol. 39, no. 5, May 1962 p. 77

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550620016-5"

SIMETSKIY, O.A., veterinarnyy vrach

Use of polymyxin in animal diseases. Veterinariia 39 no.5:77-78 My 162 (MIRA 18:1)

1. ifelitopoliskaya rayonnaya veterinarnaya lechebnitsa, Zaporosh-skoy oblasti.

表现的现在分词,我们是我们的大型的主要的主要,我们的问题,是我们的信息,是不是自己的信息的,可以完全一个人,我们会没有的,我们可以知识的现在,这么一个个人的人 L 9669-66 EVT (1)/EWA(h) SOURCE CODE: UR/0286/65/000/019/0099/0100 ACC NR: AP5026551 AUTHOR: Simetskiy, Yu. A. ORG: none TITLE: A dynamic trigger! SOURCE: Byulleten' isobreteniy i tovarnykh znakov, no. 19, 1965, 99-100 TOPIC TAGS: trigger circuit, dynamic response, stability condition, semiconductor, triode ABSTRACT: This Author Certificate presents a dynamic trigger constructed with a single semiconductor triode of, for example, a p-n-p type, and two ferrite cores, each with four windings. The design is intended to increase the operation stability and to simplify the device (see Fig. 1). One end of the first winding of one of the Fig. 1. 1-4 - First core windings; 5-8 - second core windings.

Card 1/2

UDC: 681,142,621.374.3

L 9669-66

ACC NR: AP5026551

cores is connected to the trigger collector, and the second end of the winding is connected to the "minus" power supply through a resistor. One end of the second winding is connected to "ground," and the other end of the second winding to the triode base. The third winding receives cycle pulses. One end of the first winding of the second core is connected to the triode emitter, and the other end of the first winding of the second core is connected to "ground." The second winding receives. cycle pulses. The third winding is fed triggering pulses. The fourth windings on both cores are joined in a series and are connected to the cancellation pulse source. Orig. art. has: 1 figure.

SUB CODE: 09/

SUBM DATE: 15Feb63

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YUGOSLAVIA/Chemical Technology: Chemical Products and Their Appli- H-E cation. Safety and Samitation

Abs Jour : Ref Zhur - Knim., No 24, 1958, No 82165

Author

: Sineunovich D.

Inst Title

: Determination of Mean Temperature of Heat Radiationby

Means of a Globe-Thermometer and Nomagrams

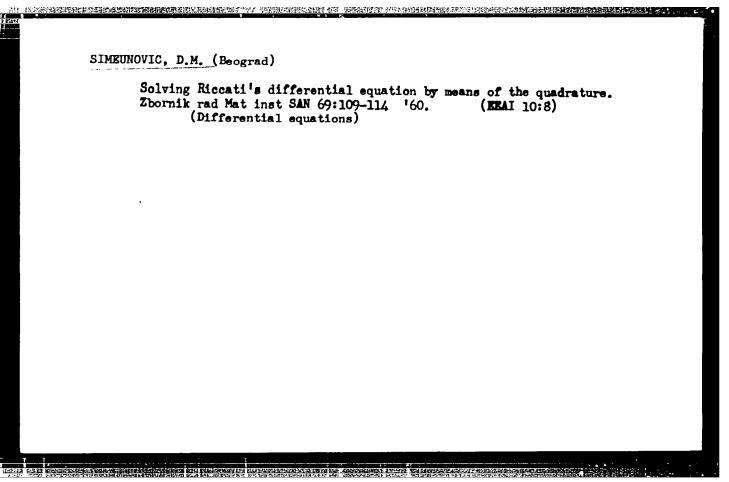
Orig Pub: Glasnik Khig. in-ta, 1957, 6, No 3-4, 55-59

Abstract: The determination of heat radiation in the factory quarters

is conducted with the aid of a globe-thermometer. For the rapid calculation of an average temperature of radiation

a nomogram is being prepared. -- G. Lyudmirskaya

Card : 1/1



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"refining technical terms in forestry." (E. 262) Vol. 77, nc. 6, June 1953.

30: Past European Accessions List, Vol 3, No 8, Aug 1954